P R O V E N

Quality, Dependability and Reliability

Avtech's CTS-700 ramp test set tests ICAO standard SELCAL decoding systems, HF and VHF radio systems, audio systems, and ATSCALL or DTMF selective calling decoders that reside on the aircraft. Battery-powered and totally independent of ground facilities, the CTS-700 generates the RF and tone signals needed to activate the system under test.

ARINC 714 SELCAL RAMP TESTER

The test signal transmits directly to the aircraft radio system by incorporating a crystal-controlled RF generator for VHF and HF frequencies, and provides a thorough system evaluation for correct identification of faults. Eliminating the need for ground radio facilities dramatically speeds the testing and troubleshooting of complex problems.

Housed in a gray fiberglass case, the CTS-700 is available as a system that includes the charger, antenna, and operator's manual. (An audio output is included for use with bench test facilities.)

- Tests VHF and HF radio systems
- Generates 16 SELCAL or DTMF tones
- Generates 300 to 5000 Hz audio tones
- VHF and HF crystal controlled RF generators
- Operates 20 hours on internal rechargeable battery
- UL/CSA, VDE, TUV approved rechargeable units
- High contrast liquid crystal display
- Adjustable audio outputs of tones for bench testing
- Precision crystal controlled tone frequencies and timing
- -20 to +50 degrees C operating temperature
- Weather resistant switches and panel
- Auto-off timer turns unit off if not used for 15 minutes

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Ideas That Fly
An Aviation Technologies, Inc. Company

CTS-700 SPECIFICATIONS

Part Numbers:	P/N 1000005-001 CTS-700 system with antenna and 120V/60Hz charging unit P/N 1000005-002 CTS-700 system with antenna and 220V/50 Hz charging unit	

ATTSCALL Numbers Generated (DTMF Hz)

1-697/1209	9-852/1477
2-697/1336	0-941/1336
3-697/1477	*-941/1209
4-770/1209	#-941/1477
5-770/1336	A-697/1633
6-770/1477	B-770/1633
7-852/1209	C-852/1633
8-852/1336	D-941/1633

Size: 8.7" wide X 9.2" high x 6" deep

Weight: 7 pounds

Case: High strength fiberglass, grey color

Operating Temperature -20 to 50 degrees C

Operating Altitude Up to 50,000 feet

SELCAL Tones (Hz)

A-312.6	J-716.1
B-346.7	K-794.3
C-384.6	L-881.0
D-426.6	M-977.2
E-473.2	P-1083.9
F-524.8	Q-1202.3
G-582.1	R-1333.5
H-645.7	S-1479.1

ATTSCALL Tone Duty Cycle 50 mS on, 50 mS off per digit

Tone Mode Frequencies (Hz) 300, 500, 1000, 3000, 5000

VHF Frequency 123.20 MHz standard

HF Frequency 10.045 MHz standard

RF Output Power 100 milliwatts nominal when matched into 50 ohms, RF output impedance at antenna connection is matched for operation into 36" antenna

Audio Output Level 3.2V rms max, adjustable by panel knob

Internal Battery 12 V 1.5 amp-hour sealed rechargeable

Battery Life Approximately 20 operating hours between charges

Charging Unit 12 V to 15 V AC or DC, nominal 300 milliamps

Avtech's CTS-700 Ramp Tester tests Avtech's ARINC 714 standard SELCAL decoders without any additional equipment directly on the aircraft without the need for ground radio facilities

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